



fgbc

Florida Green Building Coalition, Inc.

"To provide a Florida green building designation resulting in environmental and economic benefits."

Florida Green Home Standard Checklist

Schedule A, Version 4.0

January 1, 2005– December 31, 2005

NEW HOME REQUIREMENTS: Select measures to obtain the minimum number of points listed for each category. The sum of the minimums totals 180 points. Accumulate at least an additional 20 points of your choice to qualify for the program. If any category minimums cannot be achieved, point deficiencies may be made up by adding the deficiency to the total minimum score of 200. (Example: Applicant elects to achieve only 10 points from a category with a minimum of 15. Applicant may still qualify if total points equal or exceed $200 + [15-10] = 205$.) Note that category maximums cannot be exceeded at any time.

EXISTING HOME REQUIREMENTS: Same as for **NEW HOME** except no minimum point requirement in the Materials and Site categories.

PREREQUISITES: At least one measure from each of the following Waterfront Considerations and Swimming Pool/Spa Prerequisite lists must be incorporated:

Prerequisite 1: Swimming Pool / Spa

- ☐ Sanitation system that reduces/eliminates chlorine use (salt water, ionization, etc.)
- ☐ Pool cover
- ☐ Solar pool heating system
- ☐ Efficient pool pumping
- ☐ Swimming pool/spa free house

Prerequisite 2: Waterfront Considerations

- ☐ Use of native aquatic vegetation in shoreline area
- ☐ Low maintenance plants placed between lawn and shoreline; no turf adjacent to water
- ☐ Use of terraces, swales, or berms to slow storm water movement into water body
- ☐ Home site does not border natural water body

Category 1: Energy (Building Envelope/Systems)

Points Achieved	Points Possible	Criteria
_____	100	Meet Florida Energy Code (HERS=82)
_____	5-50	Confirmed Florida HERS Rating (attach) 5 pts for every HERS pt above 82
HERS rated homes are given credit for features including: Efficient a/c and heat Solar or efficient water heating Proper orientation Ducts sealed or in conditioned space Efficient windows Insulation quantity and type Radiant barrier Envelope sealing For complete explanation of HERS Rating, see Ref. Guide		
Design _____ 1 Document proper sizing of HVAC system _____ 1 Cross vent and ceiling fans code credits _____ 1 Min 100ft ² roofed porch min 3 sides open _____ 1 Passive solar space heat system _____ 1 Passive solar day-lighting _____ 1-4 House shaded on east and west by trees _____ 1 Washer and dryer outside of cond space _____ 1 Ductwork joints sealed with mastic _____ 1 Floor joist perimeter insulated and sealed _____ 1 Light colored exterior walls _____ 1 South roof area for future solar use _____ 1 Pre-plumb for solar hot water _____ 1 Centrally locate water heater _____ 1 Insulate all hot water pipes _____ 1 Efficient envelope volume _____ 1 Dwelling unit attached, zero lot-line, row house _____ Total points for Category 1 (120 min/150 max)		

Code/Ratings

- | | | |
|-------|------|--|
| _____ | 100 | Meet Florida Energy Code (HERS=82) |
| _____ | 5-50 | Confirmed Florida HERS Rating (attach)
5 pts for every HERS pt above 82 |

HERS rated homes are given credit for features including:

Efficient a/c and heat	Solar or efficient water heating
Proper orientation	Ducts sealed or in conditioned space
Efficient windows	Insulation quantity and type
Radiant barrier	Envelope sealing

For complete explanation of HERS Rating, see Ref. Guide

Design

- | | | |
|-------|-----|--|
| _____ | 1 | Document proper sizing of HVAC system |
| _____ | 1 | Cross vent and ceiling fans code credits |
| _____ | 1 | Min 100ft ² roofed porch min 3 sides open |
| _____ | 1 | Passive solar space heat system |
| _____ | 1 | Passive solar day-lighting |
| _____ | 1-4 | House shaded on east and west by trees |
| _____ | 1 | Washer and dryer outside of cond space |
| _____ | 1 | Ductwork joints sealed with mastic |
| _____ | 1 | Floor joist perimeter insulated and sealed |
| _____ | 1 | Light colored exterior walls |
| _____ | 1 | South roof area for future solar use |
| _____ | 1 | Pre-plumb for solar hot water |
| _____ | 1 | Centrally locate water heater |
| _____ | 1 | Insulate all hot water pipes |
| _____ | 1 | Efficient envelope volume |
| _____ | 1 | Dwelling unit attached, zero lot-line, row house |

Total points for Category 1 (120 min/150 max)

Category 2: Energy (Appliances, Lights, Amenities)

Points Achieved	Points Possible	Criteria
_____	2	Energy Star [®] refrigerator
_____	3	Energy Star [®] clothes washer (water factor < 9.5)
_____	1	Energy Star [®] dishwasher
_____	1	Energy-efficient clothes dryer
_____	1	Energy-efficient oven/range
_____	1	Buyer given info if none installed
_____	1	Efficient well pumping
Energy-efficient lighting _____ 1-10 Indoor lights are fluorescent or fiber optic _____ 2 Recessed, sealed IC fixtures _____ 2 Max installed lighting wattage < 0.5 W/ft ² _____ 1-2 Light colored interior walls, ceilings, carpet/floors _____ 1 Single bulb fixtures in bathrooms _____ 2 Outdoor lights are fluorescent/elec ballast, pv, low voltage, or have motion detector _____ Total points for Category 2 (10 min/25 max) _____ Name of HERS Rater: _____ (if HERS points included) _____ Certifying Agent Category 1: _____ _____ Certifying Agent Category 2: _____		

Energy-efficient appliances/amenities

- | | | |
|-------|---|--|
| _____ | 2 | Energy Star [®] refrigerator |
| _____ | 3 | Energy Star [®] clothes washer (water factor < 9.5) |
| _____ | 1 | Energy Star [®] dishwasher |
| _____ | 1 | Energy-efficient clothes dryer |
| _____ | 1 | Energy-efficient oven/range |
| _____ | 1 | Buyer given info if none installed |
| _____ | 1 | Efficient well pumping |

Energy-efficient lighting

- | | | |
|-------|------|---|
| _____ | 1-10 | Indoor lights are fluorescent or fiber optic |
| _____ | 2 | Recessed, sealed IC fixtures |
| _____ | 2 | Max installed lighting wattage < 0.5 W/ft ² |
| _____ | 1-2 | Light colored interior walls, ceilings, carpet/floors |
| _____ | 1 | Single bulb fixtures in bathrooms |
| _____ | 2 | Outdoor lights are fluorescent/elec ballast, pv, low voltage, or have motion detector |

Total points for Category 2 (10 min/25 max)

Name of HERS Rater: _____

(if HERS points included)

Certifying Agent Category 1: _____

Certifying Agent Category 2: _____

Category 3: Water

Points Achieved	Points Possible	Criteria	(Plumbing Integrity Test Date _____)
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Fixtures

_____	2	Hot water recirculation system
_____	1	Low-flow fixtures
_____	1	Faucet aerators
_____	1	Faucets do not drip upon occupancy
_____	2	All showers equipped with 1 showerhead
_____	1	Shut-off valves to each toilet and sink
_____	2	No garbage disposal
_____	2	Ultra-low-flow toilets
_____	4	Waterless toilet

Greywater reuse

_____	3	System installed
_____	1	System rough in
_____	1	Air conditioner condensate re-use

Rainwater harvesting

_____	2	System installed
_____	1	System rough in

Reclaimed water reuse

_____	2	For irrigation
_____	2	Meter on reclaimed irrigation system
_____	2	Volume based pricing arrangement
_____	2	For toilet flushing

Installed landscape

_____	2	Drought tolerant turf in sunny areas only, no turf in densely shaded areas
_____	1-3	50%, 80%, 100% of plants/trees from local drought tolerant list
_____	2	All plants/trees selected to be compatible with local environment/microclimate
_____	3	Turf less than 50% of landscape
_____	2	Evenly shaped turf areas, no turf on berms
_____	2	Plan for edible landscape/food garden
_____	2	Plants with similar maintenance requirements grouped together
_____	2	Mulch applied 3-4 inches deep around plants
_____	2	Use of alternative mulches
_____	2	Soil amendment where necessary

Installed Irrigation

_____	1	\$ 10,000 sqft irrigated to FGBC Standards
_____	2	7,500 – 9,999 sqft irrigated to FGBC Standards
_____	3	5,000 – 7,499 sqft irrigated to FGBC Standards
_____	4	2,500 – 4,999 sqft irrigated to FGBC Standards
_____	5	1 – 2,499 sqft irrigated to FGBC Standards
_____	7	Landscape exists primarily on rainfall; no permanent irrigation system

Total points for Category 3 (15 min/40 max)**Certifying Agent Category 3:** _____**Irrigation System Auditor:** _____

(if Installed Irrigation points selected)

Category 4: Site

Points Achieved	Points Possible	Criteria
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Lot Choice

_____	2	Build on an infill site
_____	4	Conscious choice to build on a lot with no trees
_____	2	Site located within ¼ mile walk to mass transit
_____	2	Site located in TND or small lot cluster development
_____	2	Brownfield site

Native tree and plant preservation

_____	2	No invasive exotic species
_____	2	Develop a tree/plant preservation plan
_____	2	Maximize tree survivability
_____	2	Replant or donate removed vegetation
_____	1-9	Preserve or create wildlife habitat/shelter

On-site use of cleared materials

_____	2	Mill cleared trees
_____	1	Reuse cleared material for mulch/landscape

Erosion control/topsoil preservation

_____	2	Develop an erosion control site plan
_____	1	Stabilize disturbed soil
_____	1	Stage disturbance
_____	2	Control sediment runoff during construction
_____	1	Save and reuse any removed topsoil

Drainage/retention

_____	2	Onsite designated retention area
_____	2	Direct filtered rooftop runoff to planted area(s)
_____	1-4	Maintain pervious surface area

Total points for Category 4 (10 min/30 max)**Certifying Agent Category 4:** _____**Category 5: Health**

Points Achieved	Points Possible	Criteria
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Combustion

_____	3	Detached garage, carport, or no garage
_____	2	Attached garage with air barrier between garage and living space (including attic)
_____	1	Attached garage – exhaust fan on motion sensor and timer
_____	1	Direct vent, sealed combustion fireplace w/ electronic ignition, or no fireplace present
_____	1-2	No unsealed space or water heating combustion located inside the conditioned area - or electric.
_____	1	Carbon monoxide alarm

FY&N Professional: _____

(if points requiring FY&N verification included)

Category 5: Health, cont.

Points Achieved	Points Possible	Criteria
Moisture Control		
_____	1	Drainage tile on and around top of footing
_____	1	Drainage board for below grade walls
_____	1	Gravel bed beneath slab on grade floors
_____	1	Seal slab penetrations
_____	1	Capillary break between foundation and framing
_____	2	Central dehumidification system
_____	1	No vapor barrier on inside of assemblies
Ventilation		
_____	4	Whole house positive ventilation strategy
_____	1	Ventilation system rough-in
_____	1	Radon/soil gas vent system installed
_____	1	Floor drains sealed
_____	1	Radon test of home prior to occupancy
_____	1	High efficiency, low noise bathroom exhaust fans with timer or humidistat
_____	1	Kitchen range hood vented to exterior
_____	1	All applicable exhausts have backdraft damper
_____	1	Laundry rooms inside conditioned spaces must have window or other make-up air source
_____	1	Whole house fan with insulated cover
_____	1	No power roof vents
_____	2	Whole house filtration
_____	1	Efficient HVAC filter
_____	1	HVAC filter easily accessible
_____	1	Install screens on all windows and doors
_____	1	Written plan for the location of exhaust and intake vents
Source Control (materials)		
_____	1	No exposed urea-formaldehyde particleboard
_____	2	Zero VOC paints, stains, and finishes
_____	1	Low VOC paints, stains, and finishes
_____	1	Low VOC sealants and adhesives
_____	1	Minimize carpet use
_____	1	Healthy flooring
_____	1	Healthy insulation
_____	1	Protect ducts during construction
_____	1-5	Minimize CCA treated lumber
_____	3	Integrated pest management
Cleanability		
_____	2	Central vacuum system
_____	1	Narrow grout lines
_____	1	Useable entry area
_____	1	Low dust collecting window coverings
Universal Design		
_____	1	Barrier free entrance
_____	1-3	Universally designed living area
Total points for Category 5 (10 min/30 max)		

Certifying Agent Category 5: _____

Category 6: Materials

Points Achieved	Points Possible	Criteria
		Structure
_____	3	Resource efficient wall system with integral insulation
_____	1-2	Engineered wood products for roof and/or floor
_____	1	Recycled content roof material
_____	2-3	Certified sustainable lumber
_____	1	Engineered/alternative material for outdoor living
_____	1	Concrete with fly ash or blast furnace slag
_____	1	Recycled content siding or soffit material
		Sub-Assembly, Partitions, Trim
_____	1-2	Locally produced doors and/or windows
_____	1	Eco-friendly insulation
_____	1	Recycled content drywall
_____	1	Finger jointed or laminated products
_____	1	Finger jointed trim
_____	1	Steel interior studs
		Finishes
_____	1	Eco-friendly flooring materials
_____	1	Eco-friendly ceiling materials
_____	1	Recycled content paint
_____	1	Recycled content air conditioner condenser pad
		Durability
_____	1	3 in 12 ≤ roof slope ≤ 6 in 12
_____	1	Large overhangs (eave and gable)
_____	1	Air admittance vents
_____	1	Wood frame house uses vented rain screen
_____	1	Siding and exterior trim primed all sides
_____	1	Window and door flashing
_____	1	Plants/turf minimum of 2 ft. from foundation
_____	1	Use armored/metal hoses from service to all fixtures/appliances
_____	1-2	Automatic in-home water sensors/shutoff system installed
_____	1	Access panel to each non-accessible plumbing fixture installed
_____	1	User-friendly (lever style) clothes washer water shutoff valves
		Waste Management
_____	2	Develop construction and demolition waste management plan
_____	2-4	Implement job site waste management
_____	1-5	Plan and implement design related mechanisms
_____	1	Compost bin/built in collection of recycleables
		Total points for Category 6 (10 min/45 max)

Certifying Agent Category 6: _____

Category 7: Disaster Mitigation

Points Achieved	Points Possible	Criteria
_____	2	Hurricane (wind, rain, storm surge)
_____	1-2	Safe room
_____	2	Inland site (sliding scale w/ dist from coast)
_____	2	Window and skylight protection or impact resistant type
_____	2	Attached garage and exterior door protection or impact resistant type
_____	2	Secondary water protection installed on roof
_____	2	Adhesive applied to roof sheathing
_____	2	Gable end braced and vent protection installed
_____	2	Hip roof design
_____	2	Roof covering above and below flashing
_____	2	Exterior structures properly anchored

Flood (check all to receive 3 points)

- ☐ Finished floor level at least 12" above 100 yr. flood plain
- ☐ Bottom of slab at least 8" above the top of backfilled dirt, graded for proper drainage
- ☐ Grade slopes away from building on all sides
- ☐ Garage floor and driveway properly sloped to drain out. Garage floor at least 4" lower than living floor.

Wild fire (check all to receive 3 points)

- ☐ Fire resistant exterior wall cladding
- ☐ Fire resistant roof covering or sub-roof
- ☐ Fire resistant soffit and vent material

Termites (check all to receive 10 points, or construct Termite Resistant Structure)

The following co-requisites from other sections must be done:

- ☐ Seal slab penetrations (Health/Moisture Control)
- ☐ Plants/turf minimum of 2 ft. from foundation (Materials/Durability)
- ☐ Grade slopes away from building on all sides (Flood)

The following additional criteria must also be done:

- ☐ Notice of termite protection in place on site
- ☐ Monolithic poured slab
- ☐ No foam insulation extends below grade
- ☐ 8" or more clearance between building exterior cladding and final earth grade
- ☐ Rain gutters installed with leaf screens **or** meet "Large Overhangs" co-requisite under Durability
- ☐ If present, downspouts must discharge 3 or more feet from building
- ☐ If installed, irrigation/sprinkler system located 2 or more feet from building, water shown not to hit building while operating
- ☐ Condensate line(s) discharge 2 or more feet from building and are located 5 or more feet from dryer vent
- ☐ Damage replacement warranty issued and available for annual renewal

Category 7: Disaster Mitigation, cont.

Termite Resistant Structure (check all to receive 10 points)

- ☐ Chemical soil treatment avoided
- ☐ Alternative Florida Building Code approved method of foundation protection employed
- ☐ All wood lumber, sheet products, and exterior finish material are borate or ACQ treated
- ☐ Alternatives to wood investigated and used

Total points for Category 7 (5 min/30 max)

Certifying Agent Category 7: _____

Category 8: General

Points Achieved	Points Possible	Criteria
_____	0-50	Small house credit Conditioned house size
_____	0-20	Renewable power generation Reduce peak demand or annual load
_____	2	Reconfigurability Roof trusses designed for addition
_____	2	Unfinished rooms
_____	2	Pre-wired for security, sound, automation
_____	4-14	FGBC Certified Land Development House built within designated FGBC green land development
_____	10	Other Remodeling of an existing structure
_____	1-2	Home builder/designer/architect/landscape architect member of FGBC
_____	2	Homeowner's manual given to homeowner
_____	2	Guaranteed energy bills
_____	2	Cooling system uses non-hcfc refrigerant

Total points for Category 8 (0 min/50 max)

Certifying Agent Category 8: _____

_____ **Total points achieved towards Florida Green Home Designation (200 min/400 max)**

_____ **Total points to qualify for Florida Green Home Designation (200 min)**

Please provide contact information for the homebuilder **and/or** homeowner using the following section. Please note that certain measures selected to qualify the home for the program must be verified by a Certifying Agent that has been accredited by FGBC, Inc., while others require that verification be submitted. A list of Certifying Agents is available at floridagreenbuilding.org or by contacting FGBC, Inc. After completing the Schedule A form in its entirety, it must be submitted by a Certifying Agent to FGBC, Inc. c/o Florida Solar Energy Center, 1679 Clearlake Rd., Cocoa, FL 32922. The completed checklist must be accompanied by all required submittals, and a check for the Green Home processing fee payable to the Florida Green Building Coalition, Inc. Processing fee for FGBC members is \$50 per home for the first 10 homes, and \$35 for each additional home. Processing fee is \$75 per home for non-members. Please visit floridagreenbuilding.org for membership information. (* indicates required fields)

Home Builder Information

*Name: _____
*Company: _____
*Address: _____
*City / County: _____
*Phone: _____
Fax: _____
E-mail: _____

Home Information

Owner name: _____
*Address: _____
*City / County: _____
Owner phone: _____
Owner Fax: _____
Owner E-mail: _____

Primary Certifying Agent Information

*Name: _____
*Company: _____
*Address: _____
*City / County: _____
*E-mail: _____
*Phone: _____
*Fax: _____

By signing below we acknowledge that each of the measures intended to qualify the home for the Florida Green Home Standard have been incorporated into the home's construction/renovation.

Development of the Florida Green Home Designation Standard supported in part by:



Home Builder Signature: _____
and/or

Home Owner Signature: _____

Primary Certifying Agent Signature: _____

Date of Application: _____